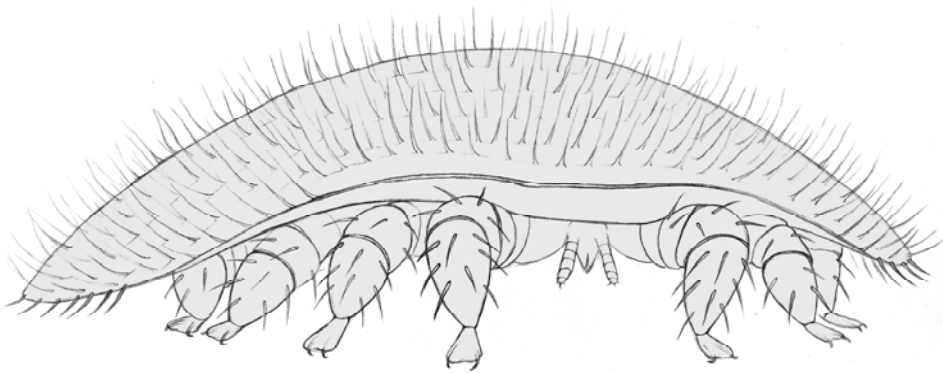


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Anfragen erbeten an:
ACARI
Dr. Axel Christian
Staatliches Museum für Naturkunde Görlitz
PF 300 154, D-02806 Görlitz

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*Enquiries should be directed to:
ACARI
Dr Axel Christian
Staatliches Museum für Naturkunde Görlitz
PF 300 154, D-02806 Görlitz, Germany*

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Zur Geschichte der acarologischen Sammlungen am Staatlichen Museum für Naturkunde Görlitz

Axel Christian

Staatliches Museum für Naturkunde Görlitz

Das Staatliche Museum für Naturkunde Görlitz ging aus dem Museum der Naturforschenden Gesellschaft zu Görlitz hervor, die 1811 von Bürgern der Stadt als „Ornithologische Gesellschaft“ gegründet und ab 1823 mit neuem Namen weitergeführt wurde. Nachdem bereits 1889 einige Skorpione von den Philippinen die Sammlungen bereicherten, erhielt das Museum im Jahr 1910 erstmals Zecken aus Afrika, die heute die ältesten Objekte der acarologischen Sammlungen sind.

Mit dem Beginn der bodenzoologischen Forschung am Staatlichen Museum für Naturkunde Görlitz durch Prof. Dr. W. Dunger im Jahre 1959 kam es ab 1964 auch zum Aufbau der ersten Milbensammlung (Oribatida). Ab dem Frühjahr 1987 erfolgte die Zusammenführung der bisher in unterschiedlichen Bereichen aufbewahrten Sammlungen der Spinnentiere und eine sammlungstechnische Überarbeitung. Nach Übernahme der Oribatidensammlung 1989 war im Juli 1990 die Einrichtung des arachnologischen Sammlungsbereiches abgeschlossen und der Autor wurde zum Kustos für Spinnentiere berufen.

Die acarologischen Sammlungen des Staatlichen Museums für Naturkunde Görlitz enthalten heute determiniertes Material von ca. 900 Arten in ungefähr 73.000 Individuen, darunter Holo- und Syntypen von 56 Arten sowie Paratypen von weiteren 16 Arten. Eine Liste der Typen wird im Band 2 (2) 2002 veröffentlicht. Undeterminierte Milben liegen in mehr als 100.000 Individuen vor. Die acarologischen Sammlungen gliedern sich in die Teile:

- Gamasida mit den Sammlungen Gamasina, Uropodina
- Ixodida
- Actinedida mit den Sammlungen Eupodina, Tetranychosidea, Raphignathosidea
- Oribatida

Die Sammlung **Gamasida**, begründet 1984 von A. Christian, umfasst heute 358 überwiegend europäische Arten in ca. 23.000 Individuen, davon ungefähr 10.000 Milben in Mikropräparaten. Sie beinhaltet Holo- und Syntypen von 48 Arten sowie von weiteren 8 Arten Paratypen. Wichtige Bestandteile sind die Sammlungen von Dr. M. Hutu (Uropodina), Prof. Dr. G. Dosse (Gamasina) und Typen von Prof. Dr. W. Karg (Gamasina). Die Sammlung **Ixodida** wurde 1995 angelegt und enthält bisher 13 überwiegend europäische Arten in 800 Individuen. Die Sammlung **Actinedida** beinhaltet gegenwärtig 75 mitteleuropäische Arten in 9000 Individuen, die bisher noch nicht aufgearbeitete Sammlung von Prof. Dr. G. Dosse (Tetranychosidea und Raphignathosidea) mit Milben aus Europa, Asien und Afrika einschließlich Holotypen von 7 Arten sowie einige Trombididae. Die Sammlung **Oribatida**, begründet 1964 durch Dr. H.-D. Engelmann und wesentlich erweitert von Dr. T. Schwalbe in der Zeit von 1991 bis 2000, enthält heute 374 europäische Arten in ca. 31.000 Individuen. Die Aufbewahrung erfolgt überwiegend in Glycerin. Zur Sammlung gehört ein Holotypus und Paratypen von weiteren 8 Arten. In den acarologischen Sammlungen werden darüber hinaus in geringem Umfang auch Milben der **Acaridida** aufbewahrt.

History of the acarological collections of the State Museum of Natural History Görlitz, Germany

The State Museum of Natural History Görlitz is the successor of the museum of the Natural History Society of Görlitz, which was founded by inhabitants of the town as „Ornithological Society“ and renamed 1823. After having received some scorpions from the Philippines in 1889, the museum acquired the first ticks from Africa in 1910. These are presently the oldest individuals of the acarological collections.

After the establishment of soil-zoological research by Prof Dr W. Dunger at the State Museum of Natural History Görlitz in 1959, the first mites-collection (Oribatida) was founded in 1964. As of spring 1987 the collections of Arachnids, kept in different sections up to this time, were concentrated and all collections were technically revised. Upon including the Oribatida in 1989 the establishment of the arachnological collections section was completed in July 1990 and the author was appointed as curator of Arachnids.

The acarological collections of the State Museum of Natural History Görlitz presently contain determined material of about 900 species consisting of approximately 73,000 individuals, including holo- and syntypes of 56 species and paratypes of 16 further species. The list of types will be published in volume 2 (2) 2002. There are also more than 100,000 individuals of undetermined mites. The acarological collections are subdivided as follows:

- *Gamasida with the collections Gamasina, Uropodina*
- *Ixodida*
- *Actinedida with the collections Eupodina, Tetranychoida, Raphignathoidea*
- *Oribatida*

*The collection **Gamasida**, founded 1984 by A. Christian, contains at present 358 predominantly European species consisting of 23,000 individuals, of these approximately 10,000 mites are mounted on slides. The collection contains holo- and syntypes of 48 species and paratypes of 8 further species. Important elements are the collections of Dr M. Huțu (Uropodina), Prof Dr G. Dosse (Gamasina) and types of Prof Dr W. Karg (Gamasina). The collection **Ixodida** was founded 1995 and contains 13 predominantly European species consisting of 800 individuals. The collection **Actinedida** currently comprises 75 Central European species and consists of 9,000 individuals, as well as the not yet revised collection of Prof Dr G. Dosse (Tetranychoida and Raphignathoidea) with mites from Europe, Asia and Africa including holotypes of 7 species and also some Trombidiidae. The collection **Oribatida**, founded 1964 by Dr H.-D. Engelmann and considerably enlarged by Dr T. Schwalbe in the years from 1991 to 2000, currently contains 374 European species consisting of about 31,000 individuals. The mites are for the main part preserved in glycerine. The collection contains one holotype and paratypes of 8 further species. The acarological collections also contain a small number of **Acaridida** mites.*

Anschrift des Verfassers:

Dr. Axel Christian
Staatliches Museum für Naturkunde Görlitz
PF 300 154, D-02806 Görlitz

Mesostigmata Nr. 13

Axel Christian und Kerstin Franke
Staatliches Museum für Naturkunde Görlitz

Unter dem Titel „Mesostigmata“ werden jährlich die neuesten Arbeiten über mesostigmate Milben publiziert, soweit uns diese bekannt wurden. Bitte helfen Sie bei der weiteren Vervollständigung der Literaturdatenbank durch unaufgeforderte Zusendung von Sonderdrucken bzw. Kopien. Wenn dies nicht möglich ist, bitten wir um Mitteilung der vollständigen Literaturzitate zur Aufnahme in die Datei. Stellen Sie fest, daß in der Bibliographie Titel Ihrer Publikationen oder anderer Autoren fehlen, wären wir Ihnen für eine Information dankbar.

Die Datenbank über mesostigmate Milben enthält gegenwärtig 11 297 Datensätze zur Literatur und 8 434 Datensätze zu den Taxa. Recherchen zur Literatur und zu den Taxa werden auf Wunsch nach Stichwörtern durchgeführt und die Abfrageergebnisse zugeschickt.

Wir bemühen uns, die Referenzsammlungen der Milbengruppen zu erweitern und sind interessiert an der Übernahme von determiniertem Milbenmaterial. Selbstverständlich können in den acarologischen Sammlungen des Staatlichen Museums für Naturkunde Görlitz auch weiterhin Typen und Paratypen hinterlegt werden. Durch die ständige wissenschaftliche und präparatorische Betreuung der umfangreichen Sammlungen durch derzeit 3 Wissenschaftler und technische Mitarbeiter ist ein hoher Bearbeitungsstand und eine gute Zugänglichkeit gewährleistet. Es ist vorgesehen, die Daten der Typen mit ihren Originalbeschreibungen im Internet zugänglich zu machen.

Under the title "Mesostigmata", the latest works on mesostigmatic mites are published every year as far as they have come to our knowledge. Please help us to keep the literature database as complete as possible by sending us reprints or copies of all your papers on mesostigmatic mites, or, if this is not possible, complete references so that we can include them in the list. Please inform us, if we have failed to list all your publications in the Bibliographia.

The database about mesostigmatic mites contains already 11 297 papers and 8 434 taxa. Every scientist who sends keywords for investigations can receive a list of literature or taxa.

We are endeavouring to extend the reference collections on mites and interested in obtaining determined mite material. It goes without saying that the deposition of type material in the acarological collections of the State Museum of Natural History Görlitz will also remain possible in the future. The availability of our collections is guaranteed, as presently 3 scientists and technical personnel are working with the mite collections. For the future it is planned to publish the types and the original descriptions in the Internet.

Acarologische Literatur / *Acarological literature*

Literaturzitate in fett gedruckter Schrift enthalten Beschreibungen neuer Arten. Mit „*“ markierte Titel liegen nur als Zitat oder Kurzfassung vor.

Literature quotations printed in bold type contain descriptions of new species. Titles marked with "" were only found as citation or abstract.*

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Nomina Nova

Die Namen neuer Taxa werden hier veröffentlicht, sofern sie uns bekannt wurden. Eine Überprüfung ihrer Validität erfolgte nicht. Die Autoren von neuen Kombinationen und neuen Synonymen stehen in [eckigen Klammern].

The names of new taxa are listed here as far as they have come to our knowledge. Their validity could not be examined here. The authors of new combinations and new synonyms are written in [brackets].

Typen-Informationen / *Type-material information as follows:*

Neoseiulus brigarinus Beard, 2001 (Seite / Page: 94¹) – Typen / Types: HT² - QM³, PT - UQIC

1 – erste Seite der Beschreibung / *first page of the description*

2 – Holotypen (HT), Paratypen (PT) oder Syntypen (ST) / *holotypes (HT), paratypes (PT) or syntypes (ST)*

3 – Abkürzungen der Aufbewahrungsorte der neuen Arten, sofern sie in den Publikationen zitiert sind / *Abbreviations of places of storage of new species, as far as they are cited in the publications*

Abkürzungen der Aufbewahrungsorte der neuen Arten / *Abbreviations of places of storage of new species*

American Museum of Natural History, New York, USA

Australian National Insect Collection, CSIRO Division of Entomology, Canberra, Australia

Acarology Research Laboratory, Department of Agricultural Entomology, University of Agriculture, Faisalabad, Pakistan

Bernice P. Bishop Museum, Honolulu, Haiti

Collection Alexander A. Khaustov, Yalta, Ukraine

Collection Dariusz J. Gwiazdowicz, Poznan, Poland

Collection E.M. El-Banhawy, Cairo, Egypt

Crimean Institute of Ecology and Projecting, Yalta, Ukraine

Collection Juan B. Morales-Malacara, México City, México

Collection Marina Hutu, Iasi, Romania

Colección Nacional de ACaros at the Instituto de Biología, Universidad Nacional Autónoma de México, México City, México

Canadian National Collection of Insects and Arachnids, Agriculture and Agri-Food Canada, Ottawa, Canada
Entomological Division, Forest Research Institute of Malaysia, Kepong, Selangor, Malaysia

Institute of Parasitic Diseases, Hubei Academy of Medical Science, Hubei, Jilin Province, China

Medical Entomological Specimen Hall, Institute of Microbiology and Epidemiology, Academy of Military Medical Sciences, Beijing, China

Muséum d'Histoire Naturelle, Geneva, Switzerland

Museum and Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland

National Base of Plague and Brucellosis Control, Baicheng City, Jilin Province, China

Natural History Museum, London, United Kingdom

National Museum of Natural History, Washington, USA

Oregon State University Arthropod Collection, Corvallis, USA

The Ohio State University Acarology Collection, Columbus, USA

Ohio State University, Acarology Laboratory, Columbus, Ohio, USA

Plant Protection Department, Faculty of Agriculture, Zagazig University, Zagazig, Egypt

Queensland Museum, South Brisbane, Queensland, Australia
 Slovak National Museum, Bratislava, Slovakia
 Universidad Nacional Autónoma de México, Laboratorio de Ecología y Sistemática de Microartropodos,
 Depto. de Biología, Fac. de Ciencias, Mexico City, Mexico
 University of Queensland Insect Collection, Department of Zoology and Entomology, Brisbane, Queensland,
 Australia
 Wildlife Museum of Białowieża National Park, Poland
 Zoological Museum of Atatürk University, Atatürk, Turkey

Neue Arten / New species

- Amblyseulella thoi* Ehara, 2002 (Seite / Page: 37) – TYPEN / TYPES: HT+PT - FRIM
Amblyseius sehlabatei El-Banhawy, 2002 (Seite / Page: 189) – TYPEN / TYPES: HT - CEB
Androlaelaps bayoumi Basha & Yousef, 2000 (Seite / Page: 396) – TYPEN / TYPES: HT+PT - PPDFAZ
Antennoseius (Antennoseius) longisetus Eidelberg, 2000 (Seite / Page: 1399) – TYPEN / TYPES: HT+PT - CIEP
Antennoseius (Vitzthumia) multisetus Eidelberg, 2000 (Seite / Page: 1398) – TYPEN / TYPES: HT+PT - CIEP
Antennoseius (Vitzthumia) ovaliscutalis Eidelberg, 2000 (Seite / Page: 1396) – TYPEN / TYPES: HT+PT - CIEP
Arrhenoseius gloriosus Walter & Lindquist, 2000 (Seite / Page: 57) – TYPEN / TYPES: HT - QM, PT - UQIC, CNC
Athiasella caverna Halliday, 2001 (Seite / Page: 303) – TYPEN / TYPES: HT+PT - ANIC
Athiasella stefani Halliday, 2001 (Seite / Page: 303) – TYPEN / TYPES: HT+PT - ANIC
Blattisocius apis Basha & Yousef, 2000 (Seite / Page: 398) – TYPEN / TYPES: HT+PT - PPDFAZ
Blattisocius capsicum Basha & Yousef, 2000 (Seite / Page: 400) – TYPEN / TYPES: HT+PT - PPDFAZ
Dendrolaelaps vermicularis Ma, 2001 (Seite / Page: 231) – TYPEN / TYPES: HT+PT - NBPBC
Euparholaspulus hubeiensis Ma & Yan, 2001 (Seite / Page: 30) – TYPEN / TYPES: HT+PT - NBPBC
Euseius lubricus Parvez, Akbar & Chaudhri, 2000 (Seite / Page: 407) – TYPEN / TYPES: HT - ARLDEF
Euseius lucidus Parvez, Akbar & Chaudhri, 2000 (Seite / Page: 404) – TYPEN / TYPES: HT+PT - ARLDEF
Euseius metwallyi Basha, Yousef & Mostafa, 2002 (Seite / Page: 30) – TYPEN / TYPES: HT+PT - PPDFAZ
Euseius ziai Parvez, Akbar & Chaudhri, 2000 (Seite / Page: 404) – TYPEN / TYPES: HT - ARLDEF
Geogamasus formix Halliday, 2001 (Seite / Page: 305) – TYPEN / TYPES: HT+PT - ANIC
Haemogamasus sanxianensis Liu & Ma, 2001 (Seite / Page: 309) – TYPEN / TYPES: HT+PT - IPDHAMS
Heteroparasitus (Medioparasitus) athiasae Juvara-Bals, 2002 (Seite / Page: 33) – TYPEN / TYPES: HT - MHNG
Knopkirie patriciae Beard, 2001 (Seite / Page: 144) – TYPEN / TYPES: HT - QM, PT - UQIC
Knopkirie petri Beard, 2001 (Seite / Page: 143) – TYPEN / TYPES: HT - QM, PT - UQIC
Knopkirie volutus Beard, 2001 (Seite / Page: 144) – TYPEN / TYPES: HT - QM, PT - UQIC
Laelaptonyssus hallidayi Krantz, 2000 (Seite / Page: 35) – TYPEN / TYPES: HT+AT+PT - ANIC, PT - USNM, OSAC, CNC, OSU
Laelaptonyssus setosus Krantz, 2000 (Seite / Page: 29) – TYPEN / TYPES: HT+AT - USNM, PT - OSAC, ANIC, CNC
Locustellonyssus sibiricus Butenko & Sanyukovich, 2001 (Seite / Page: 526) – TYPEN / TYPES: HT+PT - ZIN
Malasudis arii Haitlinger, 2001 (Seite / Page: 171) – TYPEN / TYPES: HT+PT - MIZPAS
Malasudis korae Haitlinger, 2001 (Seite / Page: 172) – TYPEN / TYPES: HT - MIZPAS
Malasudis verna Haitlinger, 2001 (Seite / Page: 173) – TYPEN / TYPES: HT+PT - MIZPAS
Meristomegistus vazquezus Kim & Klompen, 2002 (Seite / Page: 43) – TYPEN / TYPES: HT - UNAM, PT - OSAL
Mirabulbus quinbaensis Liu & Ma, 2001 (Seite / Page: 356) – TYPEN / TYPES: HT - MESH
Neonysus (Otocorinyssus) alaudae Butenko & Sanyukovich, 2001 (Seite / Page: 520) – TYPEN / TYPES: HT+PT - ZIN
Neoseiulus akakius Beard, 2001 (Seite / Page: 121) – TYPEN / TYPES: HT - QM, PT - UQIC

- Neoseiulus apeuthus* Beard, 2001 (Seite / Page: 89) – TYPEN / TYPES: HT - QM, PT - UQIC
Neoseiulus brigarinus Beard, 2001 (Seite / Page: 118) – TYPEN / TYPES: HT - QM, PT - UQIC
Neoseiulus buxeus Beard, 2001 (Seite / Page: 90) – TYPEN / TYPES: HT - QM, PT - UQIC
Neoseiulus campanus Beard, 2001 (Seite / Page: 98) – TYPEN / TYPES: HT - QM, PT - UQIC
Neoseiulus cappari Beard, 2001 (Seite / Page: 129) – TYPEN / TYPES: HT - QM, PT - UQIC
Neoseiulus edestes Beard, 2001 (Seite / Page: 123) – TYPEN / TYPES: HT - QM, PT - UQIC
Neoseiulus eremitus Beard, 2001 (Seite / Page: 94) – TYPEN / TYPES: HT - QM, PT - UQIC
Neoseiulus kearnea Beard, 2001 (Seite / Page: 88) – TYPEN / TYPES: HT - QM, PT - UQIC
Neoseiulus lyrinus Beard, 2001 (Seite / Page: 117) – TYPEN / TYPES: HT - QM, PT - UQIC
Neoseiulus malaban Beard, 2001 (Seite / Page: 92) – TYPEN / TYPES: HT - QM, PT - UQIC
Neoseiulus paloratus Beard, 2001 (Seite / Page: 108) – TYPEN / TYPES: HT - QM, PT - UQIC
Neoseiulus pannuceus Beard, 2001 (Seite / Page: 114) – TYPEN / TYPES: HT - QM, PT - UQIC
Neoseiulus sparaktes Beard, 2001 (Seite / Page: 128) – TYPEN / TYPES: HT - QM, PT - UQIC
Neoseiulus specus Beard, 2001 (Seite / Page: 110) – TYPEN / TYPES: HT - QM, PT - UQIC
Neoseiulus steineri Beard, 2001 (Seite / Page: 114) – TYPEN / TYPES: HT - QM, PT - UQIC
Neoseiulus wanrooyae Beard, 2001 (Seite / Page: 112) – TYPEN / TYPES: HT - QM, PT - UQIC
Neoseiulus warrum Beard, 2001 (Seite / Page: 126) – TYPEN / TYPES: HT - QM, PT - UQIC
Neparholaspis subarcuatus Ma & Yan, 2001 (Seite / Page: 28) – TYPEN / TYPES: HT+PT - NBPBC
Notoporus amnoni Haitlinger, 2001 (Seite / Page: 169) – TYPEN / TYPES: HT - MIZPAS
Olpiseius djarradjin Beard, 2001 (Seite / Page: 150) – TYPEN / TYPES: HT - QM
Oplitis jilinenis Ma, 2001 (Seite / Page: 307) – TYPEN / TYPES: HT+PT - NBPBC
Oplitis yuxini Ma, 2001 (Seite / Page: 308) – TYPEN / TYPES: HT+PT - NBPBC
Pachylaelaps hades Halliday, 2001 (Seite / Page: 307) – TYPEN / TYPES: HT+PT - ANIC
Paraseiulus ajmali Parvez & Chaudhri, 2002 (Seite / Page: 138) – TYPEN / TYPES: HT - ARLDEF
Paraseiulus effundo Parvez & Chaudhri, 2002 (Seite / Page: 141) – TYPEN / TYPES: HT+PT - ARLDEF
Paraseiulus palitans Parvez & Chaudhri, 2002 (Seite / Page: 141) – TYPEN / TYPES: HT+PT - ARLDEF
Paraseiulus sarcina Parvez & Chaudhri, 2002 (Seite / Page: 138) – TYPEN / TYPES: HT+PT - ARLDEF
Parholaspis wuhanensis Ma & Yan, 2001 (Seite / Page: 27) – TYPEN / TYPES: HT+PT - NBPBC
Pholaseius colliculatus Beard, 2001 (Seite / Page: 151) – TYPEN / TYPES: HT - QM, PT - UQIC
Platyseiella acuta Ehara, 2002 (Seite / Page: 41) – TYPEN / TYPES: HT+PT - FRIM
Proctolaelaps holmi Halliday, 2001 (Seite / Page: 300) – TYPEN / TYPES: HT+PT - ANIC
Proprioiseiopsis antonellii Congdon, 2002 (Seite / Page: 15) – TYPEN / TYPES: HT - NMNH
Proprioiseiopsis crowleyi Congdon, 2002 (Seite / Page: 19) – TYPEN / TYPES: HT+PT - NMNH
Proprioiseiopsis shanksi Congdon, 2002 (Seite / Page: 22) – TYPEN / TYPES: HT - NMNH
Rhinonyssus clangulae Butenko & Stanyukovich, 2001 (Seite / Page: 522) – TYPEN / TYPES: HT+PT - ZIN
Saprosecans bialoviensis Gwiazdowicz, 2001 (Seite / Page: 149) – TYPEN / TYPES: HT+PT - WMB, PT - CDG
Schizocyrtillus josefinae Gwiazdowicz, 2002 (Seite / Page: 21) – TYPEN / TYPES: HT+PT - CDG
Schizocyrtillus rarus Khaustov, 1999 (Seite / Page: 107) – TYPEN / TYPES: HT - CAK
Spinturnix traubi Morales-Malacara & Lopez-W, 1998 (Seite / Page: 543) – TYPEN / TYPES: HT+PT - CNAC, PT - NMNH, BPBM, AMNH, NHML
Trachytes aegrotasimilis Hutu, 2000 (Seite / Page: 9) – TYPEN / TYPES: ST - CNC, PT - CMH
Trachytes canadiensis Hutu, 2000 (Seite / Page: 21) – TYPEN / TYPES: ST - CNC, PT - CMH
Trachytes jilinenis Ma, 2001 (Seite / Page: 496) – TYPEN / TYPES: HT+PT - NBPBC
Trachytes krantzi Hutu, 2000 (Seite / Page: 20) – TYPEN / TYPES: HT - CNC, PT - CMH
Trachytes lindquisti Hutu, 2000 (Seite / Page: 18) – TYPEN / TYPES: HT - CNC, PT - CMH
Trachytes marilynnae Hutu, 2000 (Seite / Page: 16) – TYPEN / TYPES: ST - CNC, PT - CMH
Trachytes nortoni Hutu, 2000 (Seite / Page: 14) – TYPEN / TYPES: ST - CNC, PT - CMH
Trachytes yinsuigongi Ma, 2001 (Seite / Page: 497) – TYPEN / TYPES: HT+PT - NBPBC
Trichouropoda svatoni Masan, 2001 (Seite / Page: 144) – TYPEN / TYPES: HT+PT - SNM
Typhlodromips echium Beard, 2001 (Seite / Page: 138) – TYPEN / TYPES: HT - QM, PT - UQIC
Typhlodromips gimanthus Beard, 2001 (Seite / Page: 137) – TYPEN / TYPES: HT - QM, PT - UQIC
Typhlodromips ignotus Beard, 2001 (Seite / Page: 134) – TYPEN / TYPES: HT - QM, PT - UQIC
Typhlodromips lecki Beard, 2001 (Seite / Page: 135) – TYPEN / TYPES: HT - QM, PT - UQIC

Typhlodromips nestorus Beard, 2001 (Seite / Page: 140) – TYPEN / TYPES: HT - QM, PT - UQIC

Uroseius roleri Masan, 2001 (Seite / Page: 100) – TYPEN / TYPES: HT - SNM

Zercon burdurensis Urhan, 2000 (Seite / Page: 69) – TYPEN / TYPES: HT+PT - ZMAU

Zercon serratus Urhan, 2000 (Seite / Page: 71) – TYPEN / TYPES: HT+PT - ZMAU

Neue Gattungen / *New genera*

Arrhenoseius Walter & Lindquist, 2000 (Seite / Page: 54)

TYPUS-ART / - SPECIES: *Arrhenoseius gloriosus* Walter & Lindquist, 2000

Knopkirie Beard, 2001 (Seite / Page: 142)

TYPUS-ART / - SPECIES: *Knopkirie petri* Beard, 2001

Meristomegistus Kim & Klompen, 2002 (Seite / Page: 40)

TYPUS-ART / - SPECIES: *Meristomegistus vazquezus* Kim & Klompen, 2001

Mirabulbus Liu & Ma, 2001 (Seite / Page: 356)

TYPUS-ART / - SPECIES: *Mirabulbus qinbaensis* Liu & Ma, 2001

Olpiseius Beard, 2001 (Seite / Page: 148)

TYPUS-ART / - SPECIES: *Typhlodromus noncollyerae* Schicha, 1987

Pholaseius Beard, 2001 (Seite / Page: 151)

TYPUS-ART / - SPECIES: *Pholaseius colliculatus* Beard, 2001

Neue Untergattungen / *New subgenera*

Heteroparasitus (*Medioparasitus*) Juvara-Bals, 2002 (Seite / Page: 32)

TYPUS-ART / - SPECIES: *Heteroparasitus* (*Medioparasitus*) *athiasae* Juvara-Bals, 2002

Ologamasiphis (*Holzmannia*) Juvara-Bals, 2002 (Seite / Page: 44)

TYPUS-ART / - SPECIES: *Pergamasus disfistulatus* (Athias-Henriot, 1967)

Neue Kombinationen / *New combinations*

Knopkirie banksiae (McMurtry & Schicha, 1987) – [Beard, 2001:147]

Neoseiulus bicaudus (Wainstein, 1962) – [Congdon, 2002: 23]

Olpiseius noncollyerae (Schicha, 1987) – [Beard, 2001: 148]

Olpiseius perthae (McMurtry & Schicha, 1987) – [Beard, 2001: 150]

Stylochirus fimetarius (J. Müller, 1859) – [Masan & Kaluz, 2001: 484]

Neue Synonyme / *New synonyms*

Leptogamasus (*Ernogamasus*) Athias-Henriot, 1971 – [Juvara-Bals, 2002: 43]

= *Leptogamasus* (*Valigamasus*) Karg, 1993

Macrocheles (*Macrocheles*) *ancyleus* Krauss, 1970 – [Masan & Zubacova, 2001: 577]

= *Macrocheles minervae* Cicolani, 1983

Neuer Status / *New status*

Heteroparasitus Juvara-Bals, 1975 [Juvara-Bals, 2002: 26]

TYPUS-ART / - SPECIES: *Pergamasus tirolensis* (Sellnick, 1968)

Adressen / *Addresses*

- ALBERTI, PROF. DR. GERD, E.-Moritz-Armdt Universität, Zoologisches Institut und Museum, J.-Seb.-Bach-Str. 11-12, 17489 Greifswald, Deutschland / Germany; E-Mail: alberti@rz.uni-greifswald.de
- ANTONY, DR. LUCILLE M.K., Departamento de Ecologia, Instituto Nacional de Pesquisas da Amazonia, Av. Efigenio Sales 2239, 69.060-020 Manaus, Amazonas, Brasilien / Brazil; E-Mail: lantony@inpa.gov.br
- ARECHAVALETA-VELASCO, DR. MIGUEL E., Department of Entomology, Purdue University, West Lafayette, Purdue, IN, 47907, USA; E-Mail: miguel@entm.purdue.edu
- BEARD, DR. JENNIFER, Department of Zoology and Entomology, The University of Queensland, Brisbane, QLD, 4072, Australien / Australia
- BERTRAND, DR. MICHEL, Laboratoire de Zoogeografie, Université Montpellier III, Route de Mende, F-34 199 Montpellier Cedex 5, Frankreich / France; E-Mail: Michel.Bertrand@univ-montp3.fr
- BJORNSON, DR. SUSAN, Pacific Agri-Food Research Centre, Agriculture and Agri-Food Canada, P.O. Box 1000, Agassiz, BC, V0M 1A0, Canada; E-Mail: bjornsons@em.agr.ca
- BLASZAK, PROF. CZESLAW, ul. 28 Czerhca 1956 r. nr. 198 ZMZ, PL-61-485 Poznan, Polen / Poland
- BLÜMEL, DR. S., Federal Office and Research Center, for Agriculture, Institute of Phytomedicine, Spargelfeldstr. 191, A-1226 Wien, Österreich / Austria
- BOECKING, DR. OTTO, Bieneninstitut, Wehlstraße 4a, 29221 Celle, Deutschland / Germany; E-Mail: o.boecking@bieneninstitut.de
- BORCHI, DR. ESTALA, Laboratorio de Artropodos, Fac. de Ciencias Exactas y Naturales, Univ. Nacion. de Mar del Plata, Funes 3350, 7600 Mar del Plata, Argentinien / Argentina; E-Mail: meguaras@mdp.edu.ar
- BOWIE, DR. M.H., Ecol. and Entomol. Group, Division of Soil, Plant, and Ecol. Sci., Lincoln Univ., Canterbury, Neuseeland / New Zeland
- BROUFAS, DR. G.D., Laboratory of Applied Zoology and Parasitology, Aristotle University of Thessaloniki, 540 06 Thessaloniki, Griechenland / Greece
- BUTENKO, DR. O.M., Oksii State Biosphere Reserve, Ryazan Province, Spasskii district, 391072 Lakash, Russland / Russia
- CALATAYUD, DR. F., Instituto Valenciano de Investigacione Agrarias, E-46113 Moncada, Valencia, Spanien / Spain
- CALDERONE, DR. NICHOLAS W., Department of Entomology, 6130 Comstock Hall, Cornell Univ., Ithaca, NY 14853, USA
- CASTAGNOLI, DR. MARISA, Istituto Sperimentale per la Zoologia Agraria, Via Lanciola 12/A, Sezione di Acarologia, I-50125 Firenze, Italien / Italy; E-Mail: marisa.castagnoli@tin.it
- CHANDRAPATYA, DR. ANGSUMARN, Department of Entomology, Kasertsart University, 10 900 Bangkok, Thailand; E-Mail: agramc@ku.ac.th
- CHRISTIAN, DR. AXEL, Staatliches Museum für Naturkunde Görlitz, Postfach 300 154, 02806 Görlitz, Deutschland / Germany; E-Mail: Axel.Christian@smwk.smng.sachsen.de
- COBANOGLU, DR. SULTAN, Agriculture Faculty, Plant Protection Department, Univ.of Ankara, 06110 Ankara, Türkei / Turkey
- COLLIER, DR. KARIN F.S., Laboratorio de Prot. de Plantas, CCTA, Univ. Estad. do Norte Fluminense, Av. Alberto Lamego 2000, 28015-620 Campos dos Goytacazes, Brasilien / Brazil
- CROFT, MR. BRIAN A., Department of Entomology, Oregon State University, 2046 Cordley Hall, Corvallis, OR 97331-2907, USA; E-Mail: croftb@ava.bcc.orst.edu
- DI PALMA, DR. ANTONELLA, Agricultural Faculty, University of Foggia, via Napoli 25, I-71100 Foggia, Italien / Italy
- DURDEN, DR. LANCE A., Institute of Arthropodology and Parasitology, Department of Biology, Landrum Box 8056, Georgia South. Univ., Statesboro, GA 30460-8056, USA; E-Mail: ldurden@gsvms2.cc.gasou.edu
- DUSBABEK, MR. FRANTISEK, Insitute of Parasitology, Academy of Sciences of the Czech Rep., Branisovska 31, CZ-370 05 Ceske Budejovice, Tschechien / Czech Republic; E-Mail: dusf@paru.cas.cz
- DUSO, DR. CARLO, Universite di Padova, Ist. Entomologia agraria - Agripolis, Via Romea 16, I-35020 Legnaro PD, Italien / Italy; E-Mail: carlduso@agripolis.unipd.it
- EGUARAS, DR. M.J., Laboratoire de Artropodos, Fac. Cs. Exactas y Naturales, Univ. Nacional Mar del Plata, Funes 3350, 7600 Mar del Plata, Argentinien / Argentina; E-Mail: meguaras@mdp.edu

- EIDELBERG, DR. MICHAEL M., Crimean Institute of Ecology, and Projecting, Kujbishev str. 4, 334216 Yalta, Crimea, Ukraine
- EL-BANHAWY, PROF. E.M., Department of Acarology, National Res. Center, A.R. of Egypt Sh., El-Tahrir, Dokki, Cairo 12311, Ägypten / Egypt; E-Mail: sayban@hotmail.com
- ENKEGAARD, DR. A., Department of Crop Protection, Research Centre Flakkebjerg, Danish Inst. of Agric. Science, DK-4200 Slagelse, Dänemark / Denmark; E-Mail: annie.enkegaard@agrsci.dk
- FAIN, DR. ALEX, Institut Royal des Sciences Naturelles de Belgique, Dep. Entomol., Rue Vautier 29, B-1000 Bruxelles, Belgien / Belgium; E-Mail: wauthy@kbinirsnb.be
- FAKHIMZADEH, DR. KAMRAN, Department of Applied Zoology, University of Helsinki, Viikki C, 00014 Helsinki, Finland / Finland; E-Mail: kamran.fakhimzadeh@helsinki.fi
- FAUVEL, DR. GUY, INRA, UFR d'Ecologie animale, et de Zoologie agricole, AGRO-M, Place Pierre Viala, F-34060 Montpellier Cedex 1, Frankreich / France
- FERES, PROF. REINALDO J.F., Departamento de Zoologia e Bòtanica, Universidade Estadual Paulista, rua Cristovao Colombo, 2265, Sao Paulo, 15054-000 Sao Jose do Rio Preto, Brasilien / Brazil; E-Mail: reinaldo@zoo.ibilce.unesp.br
- FITZGERALD, DR. JEAN D., Horticulture Reseach International, East Malling, Kent, ME19 6BJ, Großbritannien / United Kingdom; E-Mail: jean.fitzgerald@hri.ac.uk
- GJELSTRUP, DR. PETER, Naturhistorisk Museum, Universitetsparken, Bygning 210, DK-8000 Aarhus C, Dänemark / Denmark; E-Mail: pg@nathist.aau.dk
- GJERDE, DR. BJORN, Seksjon for Parasittologi, FMN, Noregs Veterinaerhogskole, 0033 Oslo, Norwegen / Norway; E-Mail: bjorn.gjerde@veths.no
- GLIDA, DR. HABIBA, Laboratoire de Zoogéographie, Univerisité Montpellier III, F-34199 Montpellier Cedex 5, Frankreich / France
- GOFF, DR. M. LEE, Department of Entomology, University of Hawaii'i at Manoa, 3050 Maile Way, 310 Gilmore Hall, Honolulu, HI 96822, USA; E-Mail: igoff@hawaii.edu
- GOH, DR. HYUN-GWAN, National Institute of Agric. Sciences, and Technology, RDA, Suwon, 441-707, Südkorea / South Korea
- GROUT, DR. TIM G., Outspan Citrus Centre, P.O. Box 28, Nelspruit, 1200, Südafrika / South Africa; E-Mail: tim-grout@outspan.co.za
- GUPTA, DR. S.K., IC/10, Anandam Housing Complex 7, K.B. Sarani, Calcutta, 700080, Indien / India; E-Mail: amaleshchoudhury@hotmail.com
- GWIAZDOWICZ, DR. DARIUSZ J., Akademia Rolnicza, Katedra Ochr. Lasu & Zool. Srodowiska Przyrod., ul. Wojska Polskiego 71C, PL-60-625 Poznan, Polen / Poland; E-Mail: dagwiazd@owl.au.poznan.pl
- HAILLINGER, PROF. DR. HABIL RYSZARD, Katedra Zoologii AR, ul.Cybulskiego 20, PL-50-205 Wroclaw, Poland; E-Mail: rhait@ozi.qu.uroc.pl
- HALLIDAY, DR. R. BRUCE, CSIRO, Div. Entomol., G.P.O. Box 1700, Canberra, ACT 2601, Australien / Australia; E-Mail: bruceh@ento.csiro.au
- HAQ, PROF. DR. M.A., Department of Zoology, University of Calicut, Kerala 673 635, Indien / India; E-Mail: haq@md3.vsnl.net.in
- HARRIS, DR. JEFFREY W., Genetics and Physiology Laboratory, USDA-ARS, Honey Bee Breeding, 1157 Ben Hur Road, Baton Rouge, LA, 70820, USA; E-Mail: jwharris@ars.usda.gov
- HUTU, DR. MARINA, Biological Research Institute, B-dul Copou nr. 20 A, 6600 Iasi, Rumänien / Romania; E-Mail: iricon@uaic.ro
- IBRAHIM, DR. YUSOF B., Department of Plant Protection, Universiti Putra Malaysia, 43400 UPM, Serdang, Selangor, Malaysia
- IRESON, DR. J.E., Tasmanian Insitute of Agricultural Research, 13 St. John's Avenue, New Town, Tasmania 7008, Australien / Australia
- JAMES, DR. DAVID G., Irrigated Agric. Research, and Extension Center, Washington State Univ., 24106 North Bunn Road, Prosser, WA, 99350, USA; E-Mail: djames@tricity.wsu.edu
- JANSSEN, DR. ARNE, Inst. Syst. & Populationsbiol., Sect. Populationsbiol., Univ. of Amsterdam, Kruislaan 302, NL-1098 SM Amsterdam, Niederlande / Netherlands; E-Mail: Janssen@bio.uva.nl
- JAROSIK, DR. VOJTECH, Katedra zoologie, Prirodovedecka fak. Univ. Karlovy, Vinicna 7, CZ-128 43 Praha 2, Tschechien / Czech Republic
- JUNG, DR. CHULEUI, Department of Entomology, Oregon State University, Corvallis, OR, 97331-2907, USA; E-Mail: jungc@bcc.orst.edu

- JUVARA-BALS, DR. ILINCA, Muséum d'Histoire Naturelle, Dep. invertébrés, Route de Malagnou, CP 434, CH-1211 Genève 6, Schweiz / Switzerland
- KALUZ, DR. STANISLAV, Slovak Academy of Sciences, Institute of Zoology, Dúbravská cesta 9, SK-842 06 Bratislava, Slovak Rep. / Slovakia; E-Mail: uzaekalu@savba.savba.sk
- KHAUSTOV, DR. ALEXANDER.A., State Nikita Botanical Gardens, Yalta, Crimea, 98648, Ukraine; E-Mail: flora@gnbs.crimea.ua
- KIM, DR. SANG-SOO, Faculty of Applied Biology and Horticulture, Suncheon Natl. Univ., Maegok-Dong 315, Suncheon-Si 540-742, Korea
- KNÜLLE, PROF. DR. W., Freie Universität Berlin, Institut für Zoologie, Angew. Zool./ Ökol. d. Tiere, Haderslebener Str. 9, 12163 Berlin, Deutschland / Germany
- KOCHANSKY, DR. JAN, USDA ARS Bee Research Laboratory, 10300 Baltimore Ave., Building 476, Beltsville, MD, 20705-2350, USA; E-Mail: kochansj@ba.ars.usda.gov
- KOFLER, DR. ALOIS, Meranerstrasse 3, A-9900 Lienz, Osttirol, Österreich / Austria
- KOIKE, DR. AKIRA, Laboratory of Applied Entomol. Zool., Fac. Horticulture, Chiba Univ., 648 Matsudo, Chiba, 271-8510, Japan
- KOSCHIER, DR. ELISABETH H., Institut für Pflanzenschutz, Universität für Bodenkultur Wien, Peter Jordan-Strasse 82, A-1190 Wien, Österreich / Austria
- KRANTZ, PROF. GEROLD W., Department of Entomology, Oregon State University, Cordley Hall 2046, Corvallis, OR 97331-2907, USA; E-Mail: krantzg@ava.bcc.orst.edu
- KREITER, DR. SERGE, ENSAM/INRA, UFR d'Ecologie animale et de Zoologie agricole, Laboratoire d'Acarologie, 2 Place Pierre Viala, F-34060 Montpellier Cedex 1, Frankreich / France; E-Mail: kreiter@ensam.inra.fr
- KRIESCH, DR. SASKIA, Department of Entomology, Wageningen Agricultural University, NL-Wageningen, Binnenhaven 4, Niederlande / Netherlands; E-Mail: Saskia.Kriesch@hotmail.com.nl
- KROPZYNSKA, DR. DANUTA, Warsaw Agricultural University, Department of Applied Entomology, ul. Nowoursynowska 166, PL-02-787 Warszawa, Polen / Poland
- LARESCHI, DR. MARCELA, Université Nationale de La Plata, Centro de Estudios Parasitológicos y de Vextores, Calle 2 No. 584, 1900 La Plata, Argentinien / Argentina; E-Mail: cepave@netverk.com.ar
- LEE, PROF. JOON-HO, Entomology Program, School of Agric. Biotechnol., College of Agric. and Life Sciences, Seoul National University, Suwon, 441-744, Korea; E-Mail: jh7lee@plaza.snu.kr
- MADEJ, DR. GRAZYNA, University of Silesia, Department of Ecology, ul. Bankowa 9, PL-40-007 Katowice, Polen / Poland; E-Mail: gmadej@us.edu.pl
- MAEDA, DR. TARO, Laboratory of Ecological Information, Graduate School of Agriculture, Kyoto University, Kyoto, 606-8502, Japan; E-Mail: taro@kais.kyoto-u.ac.jp
- MARCANGELI, DR. JORGE A., Laboratorio de Artropodos, Fac. Cienc. Exactas y Naturales, Univ. de Mar del Plata, Funes 3350, 7600 Mar del Plata, Argentinien / Argentina; E-Mail: jamarca@mdp.edu.ar
- MARSHALL, DR. D.B., Southern Crop Protection, and Food Research Centre, Agriculture and Agri-Food Canada, Vineland, P.O. Box 6000, Ontario, L0R 2E0, Canada; E-Mail: marshalld@em.agr.ca
- MARTIN, DR. STEPHEN JOHN, 12 Burton Fields Close, Stamford Bridge, York, YO4 1LQ, Großbritannien / United Kingdom
- MARTIN, DR. CAROLINE, Unite de Zoologie-Apidologie, Labor. biol. et de prot. de l'abeille, INRA, Domaine Saint Paul, Site Agroparc, F-84914 Avignon, Frankreich / France; E-Mail: cmartin@avignon.inra.fr
- MASAN, DR. PETER, Institute of Zoology, Slovak Acad. of Sciences, Dúbravská Cesta 9, SK-842 06 Bratislava, Slovak Rep. / Slovakia; E-Mail: uzaepema@savba.savba.sk
- MATEOS-CRESPO, DR. JUAN R., Facultad de Ciencias Biológicas y Agropecuarias, Universidad Autónoma de Veracruz, Tuxpan, Veracruz, Mexico
- MCCAULEY, DR. EDWARD, Ecology Division, Department of Biological Sciences, University of Calgary, Calgary, AB, T2N 1N4, Canada
- MESSINGER, DR. MATTHEW T., City of New Orleans, Mosquito and Termite Control Board, 6601 Stars and Stripes Blvd., New Orleans, LA 70126-8012, USA; E-Mail: mmesseng@usa.net
- MILES, DR. MARK, Dow AgroSciences, Letcombe Laboratory, Wantage, OX12 9JT, Großbritannien / United Kingdom
- MORALES-MALACARA, DR. JUAN B., Laboratorio de Acarologia, Departamento de Biología, Facultad de Ciencias, Univ. Nacional Autónoma México, Distrito Federal, Coyoacán 04510, México; E-Mail: jbm@hp.fciencias.unam.mx

- MOREAU, DR. DEBRA L., Atlantic Food and Horticulture Research Center, Agriculture and Agri-Food Canada, 32 Main Street, Kentville, NS, B4N 1J5, Canada
- MORRIS, DR. M.A., Department of Entomology, Oregon State University, Corvallis, OR 97330-2907, USA
- MOURAD, DR. A.K., Faculty of Agriculture, Saba-Basha, Departement of Plant Protection, Alexandria University, Alexandria, Ägypten / Egypt
- NAVAJAS, DR. MARIA, CBGP-INRA, Campus International de, Baillarguet, F-34 988 Montferrier sur Lez Ced, Frankreich / France; E-Mail: navajas@ensam.inra.fr
- NAZZI, DR. FRANCESCO, Dipartimento di Biologia applicata, alla Difesa delle Piante, Universita di Udine, Via delle Scienze 208, I-33100 Udine, Italien / Italy; E-Mail: francesco.nazzi@pldef.uniud.it
- NICOTINA, DR. MARIANO, Dipartimento di Entomologia e Zoologia agraria, Università degli Studi di Napoli "Federico II", Via Univ. 100, I-80055 Portici (NA), Italien / Italy; E-Mail: nicotina@unina.it
- NIELSEN, DR. P. SEJERO, Danish Pest Infestation Laboratory, Skovbrynet 14, DK-2800 Lyngby, Dänemark / Denmark
- NORTON, DR. ANDREW P., Department of Bioagricultural Sciences and Pest Management, Colorado State University, Fort Collins, CO 80523-1177, USA; E-Mail: apnorton@lamar.colostate.edu
- NUZZACI, DR. G., Department of Agro-Forestry and Environmental Biology and Chemistry, University of Bari, via Amendola 165/A, I-70126 Bari, Italien / Italy; E-Mail: nuzzaci@agr.uniba.it
- OSLER, DR. GRAHAM H.R., Soil Science and Plant Nutrition, Faculty of Agriculture, Univ. of Western Australia, Nedlands, WA 6907, Australien / Australia; E-Mail: gosler@agric.uwa.edu.au
- OSTIGUY, DR. NANCY, Department of Entomology, Pennsylvania State University, University Park, PA 16802, USA; E-Mail: nxo3@psu.edu
- OZAWA, DR. RIKA, Laboratory of Ecological Information, Graduate School of Agriculture, Kyoto University, Kyoto, 606 8502, Japan
- PAPAIOANNOU-SOULIOTIS, DR. PAGONA, Lab. of Acarological & Agricultural Zoology, Benaki Phytopatol. Inst., 8 St. Delta Str., 145 61 Kifissia Athens, Griechenland / Greece; E-Mail: bpilibr@otenet.gr
- PELS, DR. BAS, Section Population Biology, University of Amsterdam, Kruislaan 320, NL-1098 SM Amsterdam, Niederlande / Netherlands; E-Mail: pels@bio.uva.nl
- PETROVA, DR. VALENTINA, Institute of Biology, University of Latvia, Miera iela 3, LV-2169 Salaspils, Lettland / Latvia; E-Mail: vpetrova@hotmail.com
- PUGH, DR. P.J.A., Department of Life Sciences, Anglia Polytechnic University, East Road, Cambridge, CB1 1PT, Großbritannien / United Kingdom; E-Mail: p.j.a.pugh@anglia.ac.uk
- RAGUSA, PROF. SALVATORE, Istituto di Entomologia agraria, University of Palermo, Viale delle Scienze 13, I-90 128 Palermo, Italien / Italy; E-Mail: ragusa@unipa.it
- RASMY, DR. ALY H., Plant Protection Department, Natl. Res. Centre, El Tahrir Street, Dokki, Cairo 12311, Ägypten / Egypt; E-Mail: aly_rasmy@hotmail.com
- REIS, DR. PAULO R., EPAMIG-CTSM, Caixa Postal 176, 37200-000 Lavras, MG, Brasilien / Brazil
- RODA, DR. A., Department of Entomology, Cornell University, New York State Agric. Exp. Station, Geneva, NY 14456, USA; E-Mail: alr20@cornell.edu
- RODRIGUEZ, DR. B., Dep. Microbiol. Parasitologia, Facultad Farmacia, Univ. Sevilla, E-41012 Sevilla, Spanien / Spain
- ROMANIUK, DR. KONSTANTY, ul. Sloneczna 42, PL-10-710 Olsztyn, Polen / Poland
- ROSENKRANZ, DR. PETER, Universität Hohenheim, Landesanstalt für Bienenkunde (730), August-von-Hartmann-Str. 13, 70599 Stuttgart, Deutschland / Germany; E-Mail: bienero@uni-hohenheim.de
- ROTT, DR. A.S., Wye College, Department of Biological Sciences, University of London, Wye Ashford, Kent, TN25 5AH, Großbritannien / United Kingdom
- RUF, DR. ANDREA, Universität Bremen, FB 2 (Biologie / Chemie), Inst. f. Ökol. u. Evolutionsforsch., Leobener Str. - UFT, 28359 Bremen, Deutschland / Germany; E-Mail: aruf@uni-bremen.de
- SABELIS, PROF. DR. MAURICE W., University of Amsterdam, Inst. Syst. and Population Biol., Section Population Biology, Kruislaan 302, NL-1098 SM Amsterdam, Niederlande / Netherlands; E-Mail: sabelis@bio.uva.nl
- SALMANE, DR. IVETA, Institute of Biology, University of Latvia, Miera iela 3, LV-2169 Salaspils, Lettland / Latvia; E-Mail: incis@email.lubi.edu.lv
- SALVY, DR. M., INRA, Unité de Zoologie et d'Apidologie, Domaine Saint-Paul, Site Agroparc, F-84914 Avignon Cedex 9, Frankreich / France; E-Mail: salvy@avignon.inra.fr

- SCAMPINI, DR. ELVIRA M., Centro de Geogia de Costas y Cuaterna, Fac. Cs. Ex. y Naturales, UNMdP Funes 3350, 7600 Mar del Plata, Argentinien / Argentina
- SCHAUSBERGER, DR. PETER, Institut für Pflanzenschutz, Peter-Jordan-Str. 82, A-1190 Wien, Österreich / Austria; E-Mail: schausbp@edv1.boku.ac.at
- SEEMAN, DR. OWEN, Department of Entomology, The University of Queensland, St. Lucia, QLD 4072, Australien / Australia
- SENGONCA, DR. C., Depart. Entomol. and Plant Protection, Institute of Phytopathology, University of Bonn, Nussallee 9, 53115 Bonn, Deutschland / Germany
- SHIH, DR. CHAIN-ING T., Department of Entomology, Nat. Chung-Hsing-Univ., 205 Kuokuang Road, Taichung 40227, Taiwan, China
- SIRCOM, DR. J., Department of Biology, Dalhousie University, Halifax, NS, B3H 4J1, Canada; E-Mail: jsircom@chat.carleton.ca
- SKIRVIN, DR. DAVID J., Horticulture Research Internat., Wellesbourne, Warwick, CV35 9EF, Großbritannien / United Kingdom; E-Mail: dave.skirvin@hri.ac.uk
- SKLYAR, DR. V.E., ul. Nesterova 18. kv. 14, UA Poltava 7, Ukraine
- SKORUPSKI, DR. MACIEJ, Akademia Rolnicza, Katedra Ochrony Lasu i Srodowiska Przyrod., ul. Wojska Polskiego 71 C, -60-625 Poznan, Polen / Poland; E-Mail: maskorup@owl.au.poznan.pl
- SLONE, DR. D.H., Departement of Entomology / Nematology, Univ. Florida, Gainesville FL 32611, USA; E-Mail: dslone@gnv.ifas.ufl.edu
- SPREAFICO, DR. MASSIMO, Istituto di Entomologia agraria, Milano University, Via Celoria 2, I-20133 Milano, Italien / Italy; E-Mail: colomar@mailserver.unimi.it
- STANYUKOVICH, DR. MARIA K., Laboratory of Parasitology, Zoological Institut, Russian Acad. Sci. Univ., University Embankment 1, fl. 5, 199034, St. Petersburg B-34, Russland / Russia
- STEINER, DR. MARILYN Y., Horticultural Research and Advisory Station, NSW Agriculture, Gosford 2250, New South Wales, Australien / Australia
- STOEHR, DR. ANDREW M., Department of Biology, University of California, Riverside, CA 92521, USA; E-Mail: amstoehr@citrus.ucr.edu
- TAKABAYASHI, DR. JUNJI, Laboratory of Ecological Inform., Graduate School of Agriculture, Kyoto University, Kitashirakawa, Kyoto, 606-8502, Japan; E-Mail: junji@kais.kyoto-u.ac.jp
- TIXIER, DR. MARIE-STÉPHANE, ENSA / INRA, UFR d'Ecol. anim. et de Zool. agr., Lab. d'Acarologie, 2 Place Pierre Viala, F-34060 Montpellier Cedex 1, Frankreich / France; E-Mail: garcin@ensam.inra.fr
- TSOLAKIS, DR. HARALABOS, Istituto di Entomologia agraria, Univ. Palermo, Viale delle Scienze 13, I-90128 Palermo, Italien / Italy; E-Mail: tsolakis@unipa.it
- UBEDA, DR. JOSE M., Depart. de Microbiologia y Parasitol., Facultad de Farmacia, Universidad de Sevilla, E-41012 Sevilla, Spanien / Spain; E-Mail: ubeda@fafar.us.es
- UECKERMANN, DR. EDWARD A., Plant Protection Research Institut, Private Bag X134, Pretoria 0001, Südafrika / South Africa; E-Mail: rieteau@plant2.agric.za
- URHAN, DR. RASIT, Department of Biology, Faculty of Science and Arts, Pamukkale University, 20100 Denizli, Türkei / Turkey; E-Mail: rurhan@pamukkale.edu.tr
- VANDAME, DR. REMY, Unidad Tapachula, Proyecto 'Abejas de Chiapas', Ecosur, Carretera la Antigua Aeropuerto, km 2.5, 30700 Tapachula, Chiapas, Mexico; E-Mail: rvandame@tap-ecosur.edu.mx
- VARGAS, DR. MARIO V., Laboratoire de Acarologie, Esc. Nac. Cienc. Biol., I.P.N., Prol. Carpio y Plan de Ayala, Col. Santo Tomas, 11340 Mexico, D.F., Mexico; E-Mail: abetovr@racsa.co.cr
- WALTER, DR. DAVID EVANS, Department of Zoology and Entomology, University of Queensland, St. Lucia, Brisbane, QLD 4072, Australien / Australia; E-Mail: d.walter@mailbox.uq.edu.au
- WEBSTER, DR. THOMAS C., Community Research Service, Kentucky State University, Frankfort, KY, 40601, USA
- WITALINSKI, DR. WOJCIECH, Jagiellonian University, Institute of Zoology, ul. Romana Ingardena 6, PL-30 060 Krakow, Polen / Poland
- YOO, DR. SANG-SUN, Faculty of Applied Biology, and Horticulture, Suncheon University, Suncheon 540-742, Südkorea / South Korea

Anschrift der Verfasser:

Dr. Axel Christian

Kerstin Franke

Staatliches Museum für Naturkunde Görlitz

Postfach 300 154

D-02806 Görlitz

Tel.: 0049-3581-4760 201

Fax.: 0049-3581-4760 101

Email: Axel.Christian@smng.smwk.sachsen.de

Kerstin.Franke@smng.smwk.sachsen.de

HomePage: <http://www.naturkundemuseum-goerlitz.de>

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